

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L24	101	(underwater subsea marine) and ("pipe-in-pipe" "double walled pipe") and ((space spaced spacing spacer) near5 rings)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 08:31
L25	101	(underwater subsea marine) and ("pipe-in-pipe" "double walled pipe") and ((space spaced spacing spacer) near5 rings)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 08:44
L26	3	(underwater subsea marine) and ("pipe-in-pipe" "double walled pipe") and (centralizer near5 rings)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 08:44
L27	157	(underwater subsea marine) and ("pipe-in-pipe" "double walled pipe") and centralizer	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 08:53
L28	1	("6179523").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 08:48
L29	74	("0972308"   "1231202"   "2096279"   "2217857"   "2224403"   "2306831"   "2660249"   "2678377"   "2714930"   "2757738"   "2851197"   "2982354"   "3184958"   "3423570"   "3432186"   "3507330"   "3547193"   "3556218"   "3605888"   "3614986"   "3620300"   "3630038"   "3642066"   "3706872"   "3789188"   "3859503"   "3933031"   "3944262"   "3958636"   "3975617"   "4010799"   "4011652"   "4017102"   "4140179"   "4319632"   "4401162"   "4450711"   "4496174"   "4553023"   "4644780"   "4645906"   "4667505"   "4684786"   "4716960"   "4839644"   "4861074"   "4874925"   "4992001"   "4996879"   "5072622"   "5289561"   "5421675"   "5464307"   "5490562"   "5836719").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 08:48
L30	32	("3614986").URPN.	USPAT	OR	ON	2006/06/12 08:49
L31	242	(underwater subsea marine) and (centralizer same ring) and ((thermal thermally) near5 (insulation insulated insulating insulate))	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 08:54

## EAST Search History

L32	1221	(138/113,114,177,178).CCLS.	US-PGPUB; USOCR	OR	OFF	2006/06/12 09:20
L33	2	("534473").URPN.	USPAT	OR	ON	2006/06/12 09:08
L34	1	(pipe piping conduit flowline "flow line") same (spacer centralizer) same "discrete ring"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 09:21
L35	9705	(pipe piping conduit flowline "flow line") same (spacer centralizer) same ring	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 09:21
L36	110	35 and "405"/\$.ccls.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 09:21
L37	11	("3758650"   "3799208"   "3848034"   "3891732"   "3997639").PN. OR ("4044091"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 09:22
L38	8	("2167538").PN. OR ("3619474"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 09:26
L39	11	("3113595"   "3126918"   "3379221"   "3789129"   "4037626"   "4531552"   "4615359"   "5727599").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 09:28
L40	23	("0742689"   "2089909"   "2425245"   "3058861"   "3060069"   "3134611"   "3374856"   "4205034"   "4605043"   "4674542"   "4967799"   "4970351"   "5122401"   "5123453"   "5192039"   "5427849").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 09:29
L41	37	("3257719"   "3330303"   "3332446"   "3767211"   "3920268"   "3926222"   "3929359"   "3958425").PN. OR ("4037626"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 09:30
L42	21	("3126918").URPN.	USPAT	OR	ON	2006/06/12 09:33
L43	6	((("2903017") or ("2914090") or ("2938569")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 09:33
L44	21	("0008994"   "2348752"   "3595275"   "3750058"   "3911961"   "4259990").PN. OR ("4570678"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 09:35

## EAST Search History

L45	30	("1218895"   "1565254"   "2451146"   "3142336"   "3146005"   "3275345"   "3371946"   "3380530"   "3511282"   "3574357").PN. OR ("3680631"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 09:36
L46	1217	(138/148).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 09:40

## EAST Search History

L47	185	("1677714"   "1930285"   "2423870"   "2816665"   "3332446"   "3489052"   "3553978"   "3592884"   "3622437"   "3638455"   "3651661"   "3989562"   "4013810"   "4025675"   "4089190"   "4128963"   "4135019"   "4161231"   "4171626"   "4178713"   "4185472"   "4212693"   "4236386"   "4238539"   "4238540"   "4248062"   "4259382"   "4265951"   "4279275"   "4291205"   "4325174"   "4355061"   "4358284"   "4380443"   "4385952"   "4421497"   "4531619"   "4540385"   "4551116"   "4556400"   "4561292"   "4573707"   "4600619"   "4605385"   "4663819"   "4664644"   "4681556"   "4706364"   "4722717"   "4742899"   "4773891"   "4803108"   "4838833"   "4859517"   "4861649"   "4885865"   "4892433"   "4946721"   "4952195"   "4968545"   "5006391"   "5043217"   "5061533"   "5062914"   "5085467"   "5087491"   "5102723"   "5127975"   "5131970"   "5139281"   "5140913"   "5165977"   "5192384"   "5192623"   "5195779"   "5225016"   "5236529"   "5239888"   "5250132"   "5256969"   "5261616"   "5261991"   "5302428"   "5306371"   "5309620"   "5313987"   "5320579"   "5332606"   "5342465"   "5344038"   "5348052"   "5363717"   "5370417"   "5397272"   "5419416"   "5423722"   "5436080"   "5437450"   "5447765"   "5449024"   "5484498"   "5499661"   "5503431"   "5507477"   "5537789"   "5538282"   "5540877"   "5562981"   "5567499"   "5569508"   "5571207"   "5579809"   "5590565"   "5600912"   "5601892"   "5624115"   "5624519"   "5632940"   "5635306"   "5645668"   "5652039"   "5655975"   "5660901"   "5662293"   "5669718").PN. OR ("5676216"   "5678454"   "5688571"   "5690035"   "5697667"   "5698055"   "5718212"   "5725920"   "5732801"   "5753113"   "5755558"   "5755826"   "5773121"   "5780075"   "5785931"   "5788278"   "5795524"   "5795536"   "5817203"   "58270835"   "58274082"	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 09:42
6/12/06 9:53:06 AM	C:\Documents and Settings\m1ay01\My Documents\EAST\Workspaces\10840209.wsp					Page 4

## EAST Search History

L48	387	(166/242.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 09:48
L49	47	48 and centralizer	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 09:49
S1	10	("5569513" "5858489" "5934334" "6158475" "6403180").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/10 10:20
S2	2	((("20040076476") or ("20040091321")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/11 11:17
S3	12	S1 S2	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2005/04/11 11:29
S4	0	ferrari-p\$.in. and monti-p\$.in.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2005/04/11 11:29
S5	230	ferrari-p\$.in.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2005/04/11 11:30
S6	0	S5 and ("deep water" "deep seawater")	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2005/04/11 11:30
S7	14	("20040076476" "20040091321" "5569513" "5858489" "5934334" "6158475" "6403180").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/12 09:40
S8	1	("20050047871").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/10 10:54
S9	821	(405/154.1,157,168.1,168.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/10 10:56
S10	3771	(138/113,114,177,178).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 09:02
S11	4563	S7 or S9 or S10	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/10 10:58

## EAST Search History

S12	279	S11 and (gel aerogel silica cellulose)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/10 11:17
S13	0	("2004/0076476").URPN.	USPAT	OR	ON	2006/06/11 17:47
S14	12	("3941159"   "4221672"   "4348243"   "4447345"   "4772507"   "4857371"   "4874648"   "4937111"   "5123453"   "5569513").PN. OR ("6403180").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 17:47
S15	0	("2005/0061382").URPN.	USPAT	OR	ON	2006/06/11 17:48
S16	0	("2002/0079010").URPN.	USPAT	OR	ON	2006/06/11 17:50
S17	12	("3113595"   "3126918"   "3379221"   "3789129"   "4037626"   "4531552"   "4615359"   "5727599").PN. OR ("6568431").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 17:50
S18	37	("3257719"   "3330303"   "3332446"   "3767211"   "3920268"   "3926222"   "3929359"   "3958425").PN. OR ("4037626").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 17:51
S19	34	("3471179"   "3649055"   "3857588"   "4019760"   "4037626"   "4124236"   "4137117"   "4141576"   "4591193"   "4606558"   "4810008"   "4946206"   "5072972"   "5180195"   "5180196"   "5180197").PN. OR ("5336351").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 17:55
S20	25	("0220461"   "1883609"   "2662464"   "3163432"   "3510140"   "3796447"   "3857589"   "3890584"   "4124236"   "4202568"   "4625998"   "4702502").PN. OR ("4946206").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 17:58
S21	16	("3379221").URPN.	USPAT	OR	ON	2006/06/11 18:01
S22	25	("0192474"   "2735449"   "2782804"   "3117902"   "3557840"   "3619474"   "3692619"   "4351365").PN. OR ("5069255").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 18:03
S23	8	("2167538").PN. OR ("3619474").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 18:04
S24	27	("3511282").URPN.	USPAT	OR	ON	2006/06/11 18:06

## EAST Search History

S25	30	("1218895"   "1565254"   "2451146"   "3142336"   "3146005"   "3275345"   "3371946"   "3380530"   "3511282"   "3574357").PN. OR ("3680631").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 18:10
S26	30	(US-6536526-\$ or US-6412820-\$ or US-5868437-\$ or US-4741386-\$ or US-4693313-\$ or US-4621838-\$ or US-4526408-\$ or US-4512721-\$ or US-4496001-\$ or US-4332401-\$ or US-3809149-\$ or US-3574357-\$ or US-3511282-\$ or US-3380530-\$ or US-3371946-\$ or US-3275345-\$ or US-3146005-\$ or US-3142336-\$ or US-2451146-\$ or US-1565254-\$ or US-1218895-\$).did. or (US-3511282-\$ or US-3380530-\$ or US-3371946-\$ or US-3275345-\$ or US-3146005-\$ or US-3142336-\$ or US-2451146-\$ or US-1565254-\$ or US-1218895-\$).did.	USPAT; USOCR	OR	ON	2006/06/11 18:10
S27	2	S26 and gel	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 18:15
S28	0	S26 and aerogel	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 18:15
S29	9	(gel aerogel) same (fiber "fiber reinforced") same microfiber same (silica cellulose) same (insulation insulator insulating thermal)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 18:51
S30	339	(lee-kang\$.in.) or (leeser-daniel\$.in.) or (krajewski-mark\$.in.)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 18:34
S31	42	S30 and (gel aerogel)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 18:37
S32	0	"aspen aerogel"\$.as.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 18:37
S33	25	"aspen aerogel".as.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 18:44

## EAST Search History

S34	1	("4037626").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/11 18:44
S35	1	S34 and (insulate insulation insulated insulator insulating)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 18:44
S36	1	((("5306555") or ("2003007438")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/11 18:52
S37	2	((("5306555") or ("20030077438")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/11 18:53
S38	2	((("5306555") or ("6887563")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/11 19:19
S39	0	"silicon dioxide" same aerogel same "phase change"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 19:20
S40	1429	"silicon dioxide" and aerogel and"phase change"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 19:20
S41	49	"silicon dioxide" and aerogel and "phase change"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 19:21
S42	1	("4237023").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/11 19:21
S43	821	(405/154.1,157,168.1,168.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 09:48
S44	3771	(138/113,114,177,178).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/11 19:54
S45	4553	S43 or S44	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 19:54
S46	29	S45 and (helical near10 spacer)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/06/11 19:54
S47	8	("0008994"   "2348752"   "3595275"   "3750058"   "3911961"   "4259990").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/11 19:57